



## THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Applicant: Kevin Le, et al

Docket Number: 100318.00119

Serial No.: 10/737,214

Art Unit: \*\*\*\*

Filed:

December 16, 2003

Examiner: \*\*\*\*

For:

WIDEBAND DUAL POLARIZED BASE STATION ANTENNA OFFERING OPTIMIZED HORIZONTAL BEAM RADIATION PATTERNS AND

VARIABLE VERTICAL BEAM TILT

## INFORMATION DISCLOSURE STATEMENT

July 20, 2004

**Assistant Commissioner for Patents** Washington, D.C. 20231

Dear Sir:

MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(A) I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA,

Applicant wish to bring to the attention of the Patent and Trademark Office the information noted on the enclosed PTO-1449.

Respectfully submitted,

Jackson Walker, LLP 2435 North Central Expressway, Suite 600 Richardson, TX 75080

(972) 744-2902 ~

Robert C. Klinger Reg. No. 34,365

Attorney for Applicant

100318.00119

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Complete If Known

Substitute for Form 1449A/PTO

Application Number 10/737,214

Filing Date 12/16/2003

First Named Inventor Kevin Le, et al

Group Art Unit

Examiner Name

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Attorney Docket No.

				U.S. PA	TENT DOCUMENT	`\$
Exam.	Cite No.1	U.S. Patent Document		Name of Patentee	Date of Pub.	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures
		Number	Kind Code <sup>2</sup> (if known)	of Applicant of Cited Doc.	Of Cited Doc. (mm-dd-yyyy)	Appear
	AA	6,646,611		Plet et al	11-11-2003	
	AB	5,952,983		Dearnley et al	09-14-99	
	AC	5,771,024		Reece et al	06-23-98	
	AD	5,629,713		Mailandt et al	05-13-97	
	AE	3,490,026		R. Kolbe et al	12-07-66	
	AF	3,482,250		W. S. Maner	12-02-69	
-	AG	3,396,399		J. R. Winegard	08-06-68	
	AH	3,286,268		N. Barbano	11-15-66	
	Al	6,603,436		Heinz et al	08-05-2003	
	AJ	6,573,875		Zimmerman et al	06-03-03	
	AK	5,917,455		Huynh et al	06-29-99	
	AL	20020135524		Zimmerman et al	09-26-02	

				F	OREIGN PATENT DOCU			
Exam.		Foreign Patent Document			Name of Patentee	Date of Pub.	Pages, Columns, Lines, Where Relevant	١.
	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)	of Applicant of Cited Doc.	of Cited Doc. (mm-dd-yyyy)	Passages or Relevant Figures Appear	T <sup>6</sup>
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	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Exam. Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>				
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Substitute for Form 1449A/PTO	Application Number	10/737,214			
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WINEOPMATION DISCLOSURE	First Named Inventor	Kevin Le, et al			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Group Art Unit	****			
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			<del></del>	U.S. PAT	ENT DOCUMENT	S
	Cite No.1	U.S. Patent Document		of Applicant of Of Cited	cant of Of Cited Doc. Pages, Columns, Lines, where Relevant Passages of P	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures
Exam. Initials*		Number Kind Code <sup>2</sup> (if known)				
	AA	6,667,714		Max A. Solondz	12-23-03	
	AB	6,597,324		Stefan G. Eriksson	07-22-03	
	AC	6,310,585		Ronald A. Marino	10-30-01	
	AD	5,798,675		William C. Drach	08-25-98	
	AE	5,440,318		Butland, et al	08-08-95	
	AF	6,535,168		Marumoto et al	03-18-03	
	AG	6,034,649		Wilson et al	03-07-00	
-	AH	6,072,439		Ippolito et al	06-06-00	
	Al	5,966,102		Donald L. Runyon	10-12-99	
	AJ	5,165,109		Han et al	11-17-92	

				F	OREIGN PATENT DOCU	MENTS		
Exam.		Foreign Patent Document			Name of Patentee	Date of Pub.	Pages Columns Lines Where Relevant	<b>~6</b>
	Cite No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)	of Applicant of Cited Doc.	of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ°
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Exam.	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>					
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